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Attorney Docket No. 15966-560

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

APPLICANTS: Lewin *et al.*

SERIAL NUMBER: 09/640,636

EXAMINER: Not Yet Assigned

NOV 30 2000

FILING DATE: August 17, 2000

ART UNIT: 1643

FOR: NOVEL HEMATOPOIETIC REGULATORY FACTORS AND METHODS OF USE
THEREOF

TECH CENTER 1600/2900

November 27, 2000
Boston, Massachusetts

Box IDS

Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER


Transmitted herewith for filing in the present application are the following documents:

- ☒ Information Disclosure Statement (4 pages);
- ☒ Modified Form 1449/PTO duplicate copy (3 pages);
- ☒ Copies of Cited references: A1, C1-C30; and
- ☒ Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at 617/542-6000, Boston, Massachusetts.

No fee is believed to be due. However, if any fees are to be assessed, the Commissioner is hereby authorized to charge the balance due to the undersigned's account, Deposit Account No. 50-0311 (Reference 15966-560). A duplicate copy of this transmittal letter is enclosed.

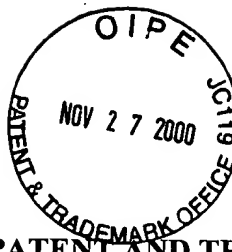
Respectfully submitted,


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INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

Other Prior Art – Non Patent Literature Documents:

Alper, et al., 1988 "Cloning and characterization of a murine band 3-related cDNA from kidney and from a lymphoid cell line." J. Biol. Chem. 263(32): 17092-17099. GenBank Accession Number: **J04036**

Andres, et al., 1994 "Expression of two novel eph-related receptor protein tyrosine kinases in mammary gland development and carcinogenesis." Oncogene 9: 1461-1467. GenBank Accession Number: **U06834**

Cook, et al., 1991 "Isolation and characterization of cDNA clones for rat liver 10-formyltetrahydrofolate dehydrogenase." J. Biol. Chem. 266(8): 4965-4973. GenBank Accession Number: **M59861**

Cote, R. M., DM; Houghton, AN; Beattie, EJ; Oettgen, HF; Old, LJ (1983). "Generation of human monoclonal antibodies reactive with cellular antigens." Proc. Natl. Acad. Sci. USA 80: 2026-2030.

Craig, et al., 1989 "Osteopontin, a transformation-associated cell adhesion phosphoprotein, is induced by 12-O-tetradecanoylphorbol 13-acetate in mouse epidermis." J. Biol. Chem. 264(16): 9682-9689. GenBank Accession Number: **J04806**

Cull, M. G., J. F. Miller, et al. (1992). "Screening for receptor ligands using large libraries of peptides linked to the C terminus of the lac repressor." Proc Natl Acad Sci U S A 89(5): 1865-9.

Derynck, et al., 1986 "The murine transforming growth factor-beta precursor." J. Biol. Chem. 261: 4377-4379.

APPLICANTS: Lewin *et al.*
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GenBank Accession Number: M13177

Estelles, et al., 1996, "The major astrocytic phosphoprotein PEA-15 is encoded by two mRNAs conserved by their full length in mouse and human." J. Biol. Chem. 271(25): 14800-14806. GenBank Accession Number: X86694

Finnerty, et al., 1993 "Molecular cloning of murine FLT and FLT4." Oncogene 8(8): 2293-2298. GenBank Accession Number: D88689

Friel, et al., 1987 "A Temperature-Sensitive Mutant of the Myeloproliferative Sarcoma Virus, Altered by a point Mutation in the mos Oncogene, Has been Modified as a Selectable Retroviral Vector." J. Virol. 61: 889-897. GenBank Accession Number: M15424

Hakes, et al., 1991 "Molecular cloning of matrin F/G: a DNA binding protein of the nuclear matrix that contains putative zinc finger motifs." Proc. Natl. Acad. Sci. U.S.A. 88, 6186-6190. GenBank Accession Number: M64862

Hodgson, et al., 1990 "Nucleotide sequence of mouse virus-like (VL30) retrotransposon BVL-1." Nucl. Acids Res. 18(3): 673. GenBank Accession Number: X17124

Hopp, T. W., KR (1981). "Prediction of protein antigenic determinants from amino acid sequences." Proc. Natl. Acad. Sci. USA 78: 3824-3828.

Imai, et al., 1994 "Cloning and expression of a neural differentiation-associated gene, p205, in the embryonal carcinoma cell line p19 and in the developing mouse." Brain Res. Mol. Brain Res. 24(1-4): 313-319. GenBank Accession Number: D29802

Ishibashi, et al., 1998 "Molecular cloning of a new sodium bicarbonate cotransporter cDNA from human retina." Biochem. Biophys. Res. Commun. GenBank Accession Number: AB012130

Izumi, et al., 1995 "Molecular cloning of the complementary DNA for the mouse pyruvate kinase M-2 gene whose expression is dependent upon cell differentiation." 1267(2-3): 135-138. GenBank Accession Number: D38379

Janoueix-Lerosey, et al., 1997 Direct Submission. GenBank Accession Number: AF007267

Kaestner, et al., 1989, "Differentiation-induced gene expression in 3T3-L1 preadipocytes: A second differentially expressed gene encoding stearoyl-CoA desaturase." J. Biol. Chem. 264: 14755-14761. GenBank Accession Number: M26270

Kohler, G. and C. Milstein (1975). "Continuous cultures of fused cells secreting antibody of predefined specificity." Nature 256(5517): 495-7.

Kozbor, D. and J. Roder (1983). "The production of monoclonal antibodies from human lymphocytes." Immunology Today 4(3): 72-79.

Kyte, J. and R. F. Doolittle (1982). "A simple method for displaying the hydropathic character of a protein." J Mol Biol 157(1): 105-32.

Luo, et al., 1997 "Molecular characterization of the murine Hif-1 alpha locus." Gene Expr. 6(5), 287-299. GenBank Accession Number: AF003695

Nakagawa, et al., 1994 "Identification of cytokine-induced neutrophil chemoattractants (CINC), rat GRO/CINC-2 alpha and CINC-2 beta, produced by granulation tissue in culture: purification, complete amino acid sequences and characterization." Biochem. J. 201(pt 2): 545-550. GenBank Accession Number: D21095

Potten, et al., 1988 "Molecular cloning and sequencing of a murine pgk-1 pseudogene family." Gene 71(2): 461-471. GenBank Accession Number: M23961

Russo, et al., 1995 "Identification of NAB1, a repressor of NGFI-A- and Krox20-mediated transcription." Proc. Natl. Acad. Sci. U.S.A. 92(15): 6873-6877. GenBank Accession Number: U47543

Schorpp, et al., 1997 "Characterization of mouse and human nude genes." Direct Submission. GenBank

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Accession Number: Y14422

Setoguchi, et al., 1989 "Mouse and human CD14 (myeloid cell-specific leucine-rich glycoprotein) primary structure deduced from cDNA clones." *Biochim. Biophys. Acta* 1008(2): 213-222. GenBank Accession Number: X13333

Shimkets, R. A., D. G. Lowe, et al. (1999). "Gene expression analysis by transcript profiling coupled to a gene database query." *Nat Biotechnol* 17(8): 798-803.

Wax, et al., 1994 "Identification of a novel growth factor-responsive gene in vascular smooth muscle cells." *J. Biol. Chem.* 269: 13041-13047. GenBank Accession Number: U06713

Wiebauer, et al., 1982 "Isolation and analysis of genomic DNA clones encoding the third component of mouse complement." *Proc. Natl. Acad. Sci. U.S. A.* 79: 7077-7081. GenBank Accession Number: J00367

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits in the above-identified case. Accordingly, no fee or certification is required. 37 C.F.R. §1.97.

A copy of each of the above-identified information is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

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Notwithstanding any statements by the Applicant, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested. Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No.15966-560.

Respectfully submitted,



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